10593501 - GAU: 3742 1AP16 Rec'd PCT/PTO 2.0 SEP 2006 Receint date: 09/20/2006 Complete if Known Substitute for form 1449/PTO Unknown Application Number INFORMATION DISCLOSURE Filing Date Of Even Date STATEMENT BY APPLICANT First Named Inventor Mark Bischoff (Use as many sheets as necessary) Art Unit Unknown **Examiner Name** Unknown 3081.167US01 Attorney Docket Number Sheet 1 of 2 U.S. PATENT DOCUMENTS **EXAMINER Publication Date** Name of Patentee or Applicant Cite INITIAL\* No.1 **Document Number** MM-DD-YYYY of Cited Document Number-Kind Code<sup>2 (if known)</sup> US-4,826,299 05/02/1989 Powell US-5,219,343 06/15/1993 L'Esperance, Jr. US-5,470,329 11/28/1995 Sumiya US-5,984,916 11/16/1999 Lai US-6,110,166 08/29/2000 Juhasz US-6,191,880 B1 02/20/2001 Schuster US-6,268,586 B1 07/31/2001 Stuart et al. US-US-US-US-US-US-US-US-US-US-US-US-FOREIGN PATENT DOCUMENTS EXAMINER Cite Foreign Patent Document **Publication Date** No.1 T<sup>6</sup> INITIAL' MM-DD-YYYY Name of Patentee or Applicant

Country Code<sup>3</sup> Number<sup>4</sup>Kind Code<sup>5</sup> of Cited Document (if known) WO 01/11408 A1 02/15/2001 Quabis WO 03/028940 A1 Ngoi Kok Ann 04/10/2003 WO 93/25166 12/23/1993 King EP 0 764 858 A2 03/26/1997 Schuster EP 0 257 836 A1 03/02/1988 L'Esperance EP 1 279 386 A1 01/29/2003 Bille **EXAMINER** DATE 11/17/2009

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			QUABIS, S., "Focusing light to a tighter spot," Optics Communications, Vol. 179, pp. 1-7 (2000).						
		imme	HELSETH, L.E., "Roles of polarization, phase and amplitude in solid immersion lens systems," Optics Communications, Vol. 191, pp. 161-172 (2001).						
	- 19	symn	DORN, R., "The focus of light – linear polarization breaks the rotational symmetry of the focal spot," J. of Modern Optics, Vol. 50, No. 12, pp. 1917-1926 (2003).  QUABIS, S., "Reduction of the spot size by using a radially polarized laser beam," Proc SPIE, Vol. 4429, pp. 105-111 (2001).						
	NIZIEV, V.G., "Peculiarities of laser cutting with polarized radiation," SPIE, Vol. 688, pp. 169-178 (1999).  ZHAN, Q., "Focus shaping using cylindrical vector beams," Optics Express, Vol. 10, No. 7, pp. 324-331 (2002).  NIZIEV, V.G., "Influence of beam polarization on laser cutting efficiency," J. Phys. D.: Appl. Phys., Vol. 32, pp. 1455-1461 (1999).								
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